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Megan Kiley
Printed name of person mailing correspondence

Signature of person mailing correspondence

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Inoue et al.	Confirmation No.:	7683
Serial No.:	10/587,123	Art Unit:	1645
Filed:	July 24, 2006	Examiner:	Not Yet Assigned
Customer No.:	21559		
Title:	METHOD FOR PRODUCING VIRAL VECTORS		

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INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the enclosed Form PTO-1449, copies of which are enclosed, with the exception of U.S. patents and U.S. patent application publications. A copy of a search report from a corresponding international application and from a corresponding European application is also enclosed.

Applicants note that WO 97/16539, WO 00/70055, WO 00/70070, WO 03/025570 A1, WO 03/093476 A1 are written in the Japanese language, except for the English language abstract. English language translations of these publications are enclosed.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AB/

In addition, Applicants note that Donald et al., "The New Enzymology of Precursor Processing Endoproteases," *J. Biol. Chem.* 267(33):23435-23438 (1992) listed on the ISR corresponds to Steiner et al., "The New Enzymology of Precursor Processing Endoproteases," *J. Biol. Chem.* 267(33):23435-23438 (1992) submitted herewith.

Submission of this statement is not a representation that a search has been made, nor is the inclusion of information in this statement an admission that the information is material to patentability.

This statement is being filed before the receipt of a first Office action on the merits.

If there are any charges or any credits, please apply them to Deposit Account No. 03-2095.

Respectfully submitted,

Date: 14 February 2007

James D. DeCamp, Ph.D.
Reg. No. 43,580

JAN N. TITTEL, Ph.D.
Reg. No. 52,290

Clark & Elbing LLP
101 Federal Street
Boston, MA 02110
Telephone: 617-428-0200
Facsimile: 617-428-7045

SUBSTITUTE FORM PTO-1449 (MODIFIED) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))	Attorney Docket No.	50026/061001
	Serial No.	10/587,123
	Applicant	Inoue et al.
	Filing Date	July 24, 2006
	Group	1645
	IDS Filed	February 14, 2007

U.S. PATENT DOCUMENTS			
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant
	2002/0169306 A1	Nov. 14, 2002	Kitazato et al.
	2003/0022376 A1	Jan. 30, 2003	Kitazato et al.
	2003/0166252 A1	Sep. 4, 2003	Kitazato et al.
	2003/0170266 A1	Sep. 11, 2003	Kitazato et al.
	2005/0266566 A1	Dec. 1, 2005	Nagai et al.
	6,645,760	Nov. 11, 2003	Nagai et al.
	6,723,532	Apr. 20, 2004	Nagai et al.

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION				
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Translation (Yes/No)
	EP 0 864 645 A1	Sep. 16, 1998	EPO	
	WO 97/16539 A1	May 9, 1997	WIPO	Yes
	WO 00/70055 A1	Nov. 23, 2000	WIPO	Yes
	WO 00/70070 A1	Nov. 23, 2000	WIPO	Yes
	WO 01/20989 A1	Mar. 29, 2001	WIPO	
	WO 03/025570 A1	Mar. 27, 2003	WIPO	Yes
	WO 03/093476 A1	Nov. 13, 2003	WIPO	Yes

EXAMINER /Agnieszka Boesen/	DATE CONSIDERED 02/19/2008
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	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)
	Basak et al., "Implication of the Proprotein Convertases Furin, PC5 and PC7 in the Cleavage of Surface Glycoproteins of Hong Kong, Ebola and Respiratory Syncytial Viruses: A Comparative Analysis With Fluorogenic Peptides," *Biochem. J.* 353(Pt3):537-545 (2001).
	Berglund et al., "Semliki Forest Virus Expression System: Production of Conditionally Infectious Recombinant Particles," *Biotechnology (NY)* 11(8):916-920 (1993).
	Biacchesi et al., "Modification of the Trypsin-Dependent Cleavage Activation Site of the Human Metapneumovirus Fusion Protein to be Trypsin Independent Does Not Increase Replication or Spread in Rodents or Nonhuman Primates," *J. Virol.* 80(12):5798-5806 (2006).
	González-Reyes et al., "Cleavage of the Human Respiratory Syncytial Virus Fusion Protein at Two Distinct Sites Is Required for Activation of Membrane Fusion," *Proc. Natl. Assoc. Sci. USA* 98(17):9859–9864 (2001).
	Gotoh et al., "An Endoprotease Homologous to the Blood Clotting Factor X as a Determinant of Viral Tropism in Chick Embryo," *EMBO Journal* 9(12):4189-4195 (1990).
	Heminway et al., "Role of Basic Residues in the Proteolytic Activation of Sendai Virus Fusion Glycoprotein," *Virus Res.* 36(1):15-35 (1995).
	Homma and Ohuchi, "Trypsin Action on the Growth of Sendai Virus in Tissue Culture Cells III. Structural Difference of Sendai Viruses Grown in Eggs and Tissue Culture Cells," *J. Virol.* 12(6):1457-1465 (1973).
	Hsu et al., "Protease Activation Mutants of Sendai Virus: Sequence Analysis of the mRNA of the Fusion Protein (F) Gene and Direct Identification of the Cleavage Activation Site," *Virology* 156(1):84-90 (1987).
	Inoue et al., "A New Sendai Virus Vector Deficient in the Matrix Gene Does Not Form Virus Particles and Shows Extensive Cell-to-Cell Spreading," *J. Virol.* 77(11):6419–6429 (2003).
	Kido et al., "Isolation and Characterization of a Novel Trypsin-like Protease Found in Rat Bronchiolar Epithelial Clara Cells: A Possible Activator of the Viral Fusion Glycoprotein," *J. Biol. Chem.* 267(19):13573-13579 (1992).
	Lamb and Kolakofsky, "Paramyxoviridae: The Viruses and Their Replication," *Fields Virology*, 3rd ed., B.N. Fields et al., Lippincott-Raven Publishers, Philadelphia, PA, Chapter 40:1177-1204 (1996).
	Li et al., "A Cytoplasmic RNA Vector Derived from Nontransmissible Sendai Virus with Efficient Gene Transfer and Expression," *J. Virol.* 74(14):6564-6569 (2000).
	Maisner et al., "Recombinant Measles Virus Requiring an Exogenous Protease for Activation of Infectivity," *J. Gen. Virol.* 81(Pt2): 441-449 (2000).
	Nagai, "Protease-Dependent Virus Tropism and Pathogenicity," *Trends Microbiol.* 1(3):81-87 (1993).
	Nakayama, "Furin: A Mammalian Subtilisin/Kex2p-like Endoprotease Involved in Processing of a Wide Variety of Precursor Proteins," *Biochem. J.* 327(Pt3):625-635 (1997).

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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Peng et al., "A Gene Delivery System Activatable by Disease-Associated Matrix Metalloproteinases," *Hum. Gene Ther.* 8(6):729-738 (1997).
	Steiner et al., "The New Enzymology of Precursor Processing Endoproteases," *J. Biol. Chem.* 267(33):23435-23438 (1992).
	Walker et al., "Sequence Specificity of Furin, a Proprotein-Processing Endoprotease, for the Hemagglutinin of a Virulent Avian Influenza Virus," *J. Virol.* 68(2):1213-1218 (1994).
	Zimmer et al., "Proteolytic Activation of Respiratory Syncytial Virus Fusion Protein: Cleavage at Two Furin Consensus Sequences," *J. Biol. Chem.* 276(34):31642–31650 (2001).
	Zimmer et al., "Cleavage at the Furin Consensus Sequence RAR/KR^{109} and Presence of the Intervening Peptide of the Respiratory Syncytial Virus Fusion Protein Are Dispensable for Virus Replication in Cell Culture," *J. Virol.* 76(18):9218-9224 (2002).
	International Search Report for PCT/JP2005/000708, mailed March 15, 2005.
	European Search Report for EP 05703936, mailed January 10, 2007.

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